

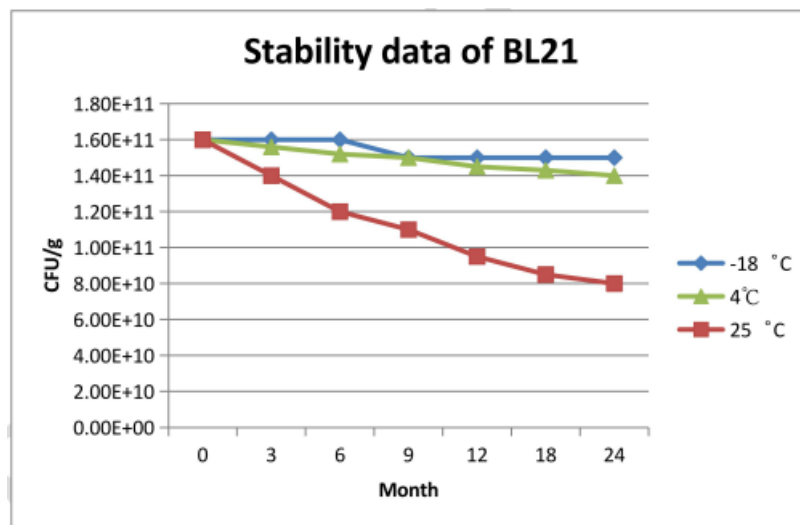
STABILTY REPORT

Product Name: Probiotics powder
Type: *Bifidobacterium longum* BL21

Summary

The stability of three batches of BL21 Powder, packed in aluminum foil pouch, was tested for up to 24 months. The storage conditions were -18°C, 4°C and 25°C/65%RH, respectively. The tested parameters were total cell counts, water activity (Aw), physical description, moisture description, moisture content, mold count and pathogen test.

Months	Cell counts (CFU/g)			Water activity			Moisture content	Mold Count	Pathogen Test
	-18 °C	4 °C	25 °C	-18°C	4 °C	25°C	25 °C	25 °C	-18/4/25°C
0	1.60E+11	1.60E+11	1.60E+11	0,03	0,03	0,03	1.80%	<10 CFU/g	Negative
3	1.60E+11	1.56E+11	1.40E+11	0,04	0,03	0,03	19%	<10 CFU/g	Negative
6	1.60E+11	1.52E+11	1.20E+11	0,04	0,04	0,04	2.10%	<10 CFU/g	Negative
9	1.50E+11	1.50E+11	1.10E+11	0,04	0,05	0,04	2.30%	<10 CFU/g	Negative
12	1.50E+11	1.45E+11	9.50E+10	0,05	0,05	0,05	2.60%	<10 CFU/g	Negative
18	1.50E+11	1.43E+11	8.50E+10	0,06	0,06	0,06	2.70%	<10 CFU/g	Negative
24	1.50E+11	1.40E+11	8.00E+10	0,07	0,06	0,06	2.80%	<10 CFU/g	Negative



Conclusion

- BL21 Powder, packed in aluminum foil pouch is quite stable for 24 months stored at 4°C or lower.
- Stability trials under different storage temperature document that BL21 Powder can be handled and sent at room temperature.
- At all storage conditions the water activity remains to be below 0.1.

Physical description

At all testing points, at the storage conditions -18°C, the color of the product was in compliance with the specification.

At 25°C/65%RH a slight change of color over time towards a darker shade can be observed.